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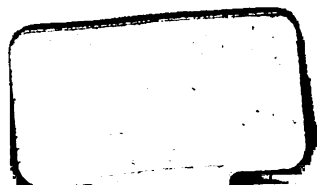
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CATALOGUE
OF
WILLIAM SMITH COLLEGE
GENEVA, NEW YORK
1912-1913

Hobart College Bulletins: Vol. 1, No. 1, October 1902.
Published by Hobart College, Geneva, N. Y., under Act of Congress
October 28, 1902, at Geneva, N. Y., under Act of Congress
No. 1, October 1902.
Second-class mail
1902.



CATALOGUE
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Published by Hobart College, Geneva, N. Y., Issued quarterly. Entered
October 28, 1902, at Geneva, N. Y., as second-class mail matter
under Act of Congress of July 16, 1904.

1913

	APRIL	MARCH	FEB.	JAN.	
Sunday	13 20 27	16 23 30	16 23 29	13 20 27	Sunday
Monday	14 21 28	17 24 31	17 24 30	14 21 28	Monday
Tuesday	15 22 29	18 25 31	18 25 30	15 22 29	Tuesday
Wednesday	16 23 30	19 26 31	19 26 30	16 23 30	Wednesday
Thursday	17 24 31	20 27 31	20 27 30	17 24 31	Thursday
Friday	18 25 31	21 28 31	21 28 30	18 25 31	Friday
Saturday	19 26 31	22 29 31	22 29 30	19 26 31	Saturday
	AUG.	JULY	JUNE	MAY	
Sunday	10 17 24 31	13 20 27	15 22 29	11 18 25	Sunday
Monday	11 18 25	14 21 28	16 23 30	12 19 26	Monday
Tuesday	12 19 26	15 22 29	17 24 31	13 20 27	Tuesday
Wednesday	13 20 27	16 23 30	18 25 31	14 21 28	Wednesday
Thursday	14 21 28	17 24 31	19 26 30	15 22 29	Thursday
Friday	15 22 29	18 25 31	20 27 30	16 23 30	Friday
Saturday	16 23 30	19 26 30	21 28 31	17 24 31	Saturday
	DEC.	NOV.	OCT.	SEPT.	
Sunday	28 29 30	10 17 24	12 19 26	14 21 28	Sunday
Monday	29 30 31	11 18 25	13 20 27	15 22 29	Monday
Tuesday	30 31	12 19 26	14 21 28	16 23 30	Tuesday
Wednesday	31	13 20 27	15 22 29	17 24 31	Wednesday
Thursday		14 21 28	16 23 30	18 25 31	Thursday
Friday		15 22 29	17 24 31	19 26 30	Friday
Saturday		16 23 30	18 25 31	20 27 30	Saturday

1914

	APRIL	MARCH	FEB.	JAN.	
Sunday	13 20 27	16 23 30	16 23 29	13 20 27	Sunday
Monday	14 21 28	17 24 31	17 24 30	14 21 28	Monday
Tuesday	15 22 29	18 25 31	18 25 30	15 22 29	Tuesday
Wednesday	16 23 30	19 26 31	19 26 30	16 23 30	Wednesday
Thursday	17 24 31	20 27 31	20 27 30	17 24 31	Thursday
Friday	18 25 31	21 28 31	21 28 30	18 25 31	Friday
Saturday	19 26 31	22 29 31	22 29 30	19 26 31	Saturday
	AUG.	JULY	JUNE	MAY	
Sunday	10 17 24 31	13 20 27	15 22 29	11 18 25	Sunday
Monday	11 18 25	14 21 28	16 23 30	12 19 26	Monday
Tuesday	12 19 26	15 22 29	17 24 31	13 20 27	Tuesday
Wednesday	13 20 27	16 23 30	18 25 31	14 21 28	Wednesday
Thursday	14 21 28	17 24 31	19 26 30	15 22 29	Thursday
Friday	15 22 29	18 25 31	20 27 30	16 23 30	Friday
Saturday	16 23 30	19 26 30	21 28 31	17 24 31	Saturday
	DEC.	NOV.	OCT.	SEPT.	
Sunday	28 29 30	10 17 24	12 19 26	14 21 28	Sunday
Monday	29 30 31	11 18 25	13 20 27	15 22 29	Monday
Tuesday	30 31	12 19 26	14 21 28	16 23 30	Tuesday
Wednesday	31	13 20 27	15 22 29	17 24 31	Wednesday
Thursday		14 21 28	16 23 30	18 25 31	Thursday
Friday		15 22 29	17 24 31	19 26 30	Friday
Saturday		16 23 30	18 25 31	20 27 30	Saturday

FOUNDATION AND PURPOSE

The object of this College is to provide a thoroughly modern education in the arts and sciences, both as the needed introduction to professional or technical training and as an important preparation for civic life and duty. Those in authority will encourage well-directed specialization to any extent not inconsistent with the character of the institution, but it will remain their controlling purpose so to inform and develop the moral and intellectual life of their students as to render them fit for efficient citizenship and the service of God and their fellows.

On April 12, 1822, the Regents of the University of the State of New York approved a plan for raising Geneva Academy to college rank and granted a provisional charter to GENEVA COLLEGE; on February 8, 1825, they granted a permanent charter. Instruction began in 1822 in Geneva Hall, and in 1826 the first class was graduated. Bishop John Henry Hobart was the chief agency in the movement, extending over ten years, for this foundation. The charter members of the Corporation included clergy and laity of several churches, those of the Protestant Episcopal Church being in the majority.

The permanent charter provides that no ordinance, rule or order of the Board of Trustees shall "extend to exclude any person of any religious denomination whatever from equal liberty and advantage of education, or from any of the degrees, liberties, privileges, benefits or immunities of said College, on account of his particular tenets in religion." From the first the policy of the College has been in accord with the spirit of this provision. No religious tests have been applied in the case of Trus-

tees, Faculty or students, and the institution, although it has been largely indebted for its support to the generous gifts and contributions of certain individuals and organizations of the Protestant Episcopal Church, has always been independent of the control of any ecclesiastical organization.

The educational plans of the founders seem to have been exceptionally broad and farsighted. At its first meeting the Corporation resolved to establish, in addition to the regular Classical Course, "another or English Course, to which students may be admitted and upon passing through which they shall receive, upon approved examination, an English diploma." This course, which is said to have been the first of its kind in this country, has been maintained from the beginning; it is now a fully equipped Scientific Course.

In the original endowment of the College the principal item was a sum of money raised by general subscription mainly in Geneva and its vicinity; next in value was an annual allowance from the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York. A noteworthy benefaction was that of Trinity Church, New York, in 1851, amounting to \$3,000 annually, one of the results of which was the change in 1852 of the title of the College to Hobart Free College, which was further modified in 1860 to HOBART COLLEGE.

The following professorships represent special endowments:—The Charles Startin Professorship, established in 1825 by Bishop Hobart out of a legacy left by Mrs. Sarah Startin of New York; the Hobart Professorship, founded in 1852 by friends of the College in co-operation with the Society for Promoting Religion and Learning; the Horace White Professorship, established in 1861 by

the legacy of Horace White of Syracuse; the Prendergast Professorship, founded in 1862 by Mrs. Deborah Prendergast of Mayville; the Chaplaincy, endowed in the same year by the late John Hewett Swift of New York. Important gifts for other purposes are noticed in the account of the equipment. The largest benefactions received by the Corporation in recent years, apart from the Smith Foundation, have been the gifts of the late Mrs. Julia Douglas Merritt, the legacies of the late James Simons, the gifts of Mrs. Agnes Demarest of Buffalo, the Medbery Scholarship Fund, the Bishop Coxe Memorial Hall, the legacy of the late Matthew O'Neill, the gifts of Mrs. Charles Delamater Vail of Geneva, and the gift of Mrs. T. J. Emery of Cincinnati, Ohio.

In September, 1908, the Trustees of Hobart College opened WILLIAM SMITH COLLEGE for the separate instruction of women. Through the generosity of William Smith, Esq., of Geneva, who erected and for many years, maintained the well-known Smith Observatory in Geneva, the sum of approximately four hundred and seventy-five thousand dollars (to which sum twenty-five thousand dollars was added in July, 1909) was in December, 1906, offered to the Trustees for the purpose of founding a College for Women. On December 11 the Board by an unanimous vote resolved to accept the proposal; on December 13 the deed of gift was signed. William Smith College is accordingly under the management and supervision of the President and Trustees of Hobart College. Its affairs are, under their general direction, in charge of a special officer, the Dean of William Smith College.

The new College is, therefore, in its relations to Hobart College what is known as a co-ordinate institution. The

work of the two Colleges is conducted independently by a common Faculty, upon whose recommendation the Corporation of Hobart College grants to the students of both institutions the same degrees. In accordance with this plan the Chemical Laboratory and the Physical Laboratory of Hobart College are used by the women of William Smith College at different times from the men, and the Biological and Psychological Laboratories provided by the Smith Foundation are accessible under similar conditions to the men of Hobart College. The Library is open to Hobart and Smith students alike.

The Faculty of this College enjoy the benefits of the Carnegie Foundation for the Advancement of Teaching. Hobart College was included in the original list of forty-seven accepted institutions.

COLLEGE CALENDAR FOR 1913-1914

Jan. 2,	Thursday,	CHRISTMAS RECESS ends.
Jan. 21,	Tuesday,	Meeting of the Trustees.
Jan. 30,	Monday,	Semi-annual Examinations begin.
Feb. 3,	Monday,	SECOND TERM begins.
Mar. 19,	Wednesday,	Easter Recess begins, 1 P. M.
Mar. 31,	Monday,	Easter Recess ends, 2 P. M.
May 30,	Friday,	Decoration Day.
June 2,	Monday,	Semi-annual Examinations begin.
June 14,	Saturday,	Phi Beta Kappa Meeting.
June 15,	Sunday,	Baccalaureate Sunday.
June 16,	Monday,	Class Day. Meeting of Phi Beta Kappa.
June 17,	Tuesday,	COMMENCEMENT DAY.
Sept. 15,	Monday,	Entrance Examinations begin.
Sept. 17,	Wednesday,	FIRST TERM begins.
		Registration, 9 A. M.
Nov. 27,	Thursday,	Thanksgiving Day.
Dec. 13,	Saturday,	Founder's Day.
Dec. 17,	Friday,	Christmas Recess begins.
Jan. 6,	Tuesday,	Christmas Recess ends.
Jan. 20,	Tuesday,	Meeting of the Trustees.
Jan. 26,	Monday,	Semi-annual Examinations begin.
Feb. 9,	Monday,	SECOND TERM begins.
April 8,	Wednesday,	Easter Recess begins, 1 P. M.
April 20,	Monday,	Easter Recess ends, 2 P. M.
May 30,	Saturday,	Decoration Day.
June 1,	Monday,	Semi-annual Examinations begin.
June 13,	Saturday,	Phi Beta Kappa Meeting.
June 14,	Sunday,	Baccalaureate Sunday.
June 15,	Monday,	Class Day. Meeting of Phi Beta Kappa.
June 16,	Tuesday,	COMMENCEMENT DAY.

TRUSTEES OF HOBART COLLEGE

The Corporation which conducts William Smith College

DOUGLAS MERRITT, Esq.,
Chairman.

PHILIP NORBORNE NICHOLAS, A.M.,
Secretary.

	First Elected	Term Expires
Miss HARRIET B. POPE, Geneva,	1910	1913
JAMES ARMSTRONG, A.M., LL.D., New York,	1898	1913
The Rev. E. WORCESTER, Ph.D., D.D., Boston,	1900	1913
CHARLES P. BOSWELL, A.M., Rochester,	1899	1913
The Rev. JOHN P. PETERS, Ph.D., D.D., New York,	1903	1914
HENRY B. GRAVES, Esq., Geneva,	1907	1914
Mrs. ANNA B. COMSTOCK, Ithaca,	1907	1914
HENRY A. PRINCE, A.M., New York,	1910	1914
PHILIP N. NICHOLAS, A.M., Geneva,	1884	1915
JOHN K. WALKER, A.B., Buffalo,	1903	1915
D. J. VAN AUKEN, Esq., Geneva,	1899	1915
RICHARD F. RANKINE, A.M., New York,	1911	1915
CHARLES R. WILSON, A.M., Buffalo,	1895	1916
WILLIAM M. V. HOFFMAN, Esq., New York,	1897	1916
The Rev. ALEXANDER MANN, A.M., D.D., Boston,	1910	1916
THOMAS H. CHEW, B.S., Geneva,	1910	1917
DOUGLAS MERRITT, Esq., Rhinebeck,	1885	1917
THEODORE J. SMITH, A.M., Geneva,	1907	1917
HENRY AXTELL WHEAT, B.S., Geneva,	1907	1917
The Rt. Rev. THE BISHOP OF WESTERN NEW YORK, <i>ex-officio</i> .		
THE PRESIDENT OF THE COLLEGE, <i>ex-officio</i> .		

TREASURER AND BURSAR OF HOBART COLLEGE

D. J. VAN AUKEN, Esq., Geneva.
Office: Room 7, Coxé Memorial Hall.

Standing Committees of the Trustees

1912-1913

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	MISS POPE.	

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MR. BOSWELL,	MR. WHEAT,	MR. CHEW,
MISS POPE,	THE PRESIDENT.	

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 65 Hamilton Street.

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Ver Plank Street.

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630 Main Street.

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Medbery Hall.

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Medbery Hall.

JULIAN SABIN FOWLER, A.B. (Hobart),
Assistant Librarian.
344 Pulteney Street.

REX HARRY WHITE,
Physical Director.
Williams Hall.

MRS. JOHN LIVINGSTON LITTLE,
House Mistress.
Miller House.

FANNIE BURNETT ANDREWS,
Secretary to the President.

ETHEL LILLIAN BARNES,
Secretary to the Dean and the Registrar.

Standing Committees of the Faculty

1912-1913

On Requirements and Degrees

THE PRESIDENT, THE DEAN, PROF. DUFFEE.

On the Library

PROF. DUFFEE,

THE PRESIDENT, THE LIBRARIAN, PROF. TURK,
PROF. SILVER, PROF. WILLIAMSON, PROF. EATON.

On Public Lectures

THE PRESIDENT, PROF. MUIRHEAD, PROF. WILLIAMS.

On Commencement

PROF. BACON, PROF. WILLIAMSON, MISS INGERSOLL.

On Discipline

THE PRESIDENT,

THE DEAN, PROF. WOODMAN, PROF. WILLIAMSON,
PROF. EATON.

ADMISSION

Candidates for Admission should address all correspondence regarding entrance, courses of instruction, expenses, rooms, etc., to the Dean of the College. Applications for admission and rooms are made out on blanks furnished by him. On arriving in Geneva, entering students will receive the rooms reserved for them from the Mistress of Miller House.

Registration. All students must appear for registration promptly at nine o'clock on Wednesday morning, September 17th, in the Registrar's Office, 12 Smith Hall. Candidates for admission must send to the Dean before this time certificates specifying precisely all credits which they wish to offer for entrance; if they come from other colleges, they must present from those institutions certificates of dismissal in good standing, with an exact statement of the entrance and advanced credits to which they are entitled.

The Courses of Instruction are the Course in Arts, leading to the degree of Bachelor of Arts, and the Scientific Course, leading to the degree of Bachelor of Science.

Teachers' Training Department, approved by the Regents. Graduates who have completed this work (see p. 42) receive the College Graduate Professional Certificate without examination.

Home Economics Department. Courses in foods, sewing and housing. Students who have completed this course (see p. 26) receive the degree of Bachelor of Science with a certificate in Home Economics.

Advanced Standing. Candidates who have pursued at other colleges studies equivalent to those of this college

will, on presentation of their records and letters of honorable dismission, receive credit toward advanced standing. Those who have completed at preparatory schools advanced work in languages and sciences may receive college credit for such work only by passing college examinations.

REQUIREMENTS FOR ADMISSION

I. **By Examination.** Candidates may be admitted to either course by passing examination on 29 units of preparatory work as detailed below. The regular Entrance Examinations will be held on Monday and Tuesday, September 15th and 16th. Examinations held by the College Entrance Examinations Board will be accepted in place of the examinations conducted by this College.

II. **By Diploma or Certificate.** The Regents' College Entrance Diploma will be accepted for admission. Like privileges will be granted to holders of other Regents' Diplomas in so far as they may be found equivalent to the College Entrance Diploma. Applicants can have this question determined by sending to the Dean a written statement showing exactly what work their Diplomas represent. Graduates of approved high schools or preparatory schools may be admitted with slight conditions; but non-graduates must in all cases present the full entrance requirements in either Arts or Science. No exception will be made in the case of those who may desire after entrance to take a special course.

Students who have recently pursued at approved schools studies equivalent to the following requirements, are admitted on probation without examination, on presentation of a certificate from the Principal of the School.

TABLE OF REQUIREMENTS

Arts Course (A.B.)

Scientific Course (B.S.)

One unit represents one half-year's daily work in school.

English	6	English	6
Latin	8	First foreign lang. (2 yrs.)....	4
Second foreign lang. (2 yrs.) .	4	Second foreign lang. (2 yrs.)..	4
History	2	History	2
Algebra	2	Algebra	2
Plane Geometry	2	Plane Geometry.....	2
Electives	5	One science.....	2
—	—	Electives	7
	29		—
			29

Possible Electives

First foreign language (3d year).....	2
Second foreign language (3d year).....	2
Third foreign language (2 years).....	4
History	1 or 2
Intermediate Algebra.....	1
Advanced Algebra	1
Solid Geometry.....	1
Trigonometry	1
Drawing.....	1 or 2
Physics	2
Chemistry	2
Zoology	2
Botany	2
Physical Geography.....	2

All candidates for entrance must qualify for admission in one of the above courses. Students so qualified who are not candidates for a degree may, with the permission of the Dean, pursue other than the regular Arts or Science courses; but such consent will only be given for reasons of weight, and such courses must be fully equal in amount to a regular course.

ENTRANCE SUBJECTS IN DETAIL

ENGLISH

Reading. The candidate will be required to write in good form brief essays displaying a general knowledge of ten books, as indicated from the following list prescribed by the College Associations.

Group I. (two to be selected).

Shakespeare's *As You Like It*, *Henry V.*, *Julius Caesar*, *The Merchant of Venice*, *Twelfth Night*.

Group II. (one to be selected).

Bacon's *Essays*; Bunyan's *The Pilgrim's Progress, Part I*; *The Sir Roger de Coverley Papers* in the *Spectator*; Franklin's *Autobiography*.

Group III. (one to be selected).

Chaucer's *Prologue*; Spenser's *Faerie Queene*, (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury (First Series) Books II and III*, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV. (two to be selected).

Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dickens' *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group V. (two to be selected).

Irving's *Sketch Book*; Lamb's *Essays of Elia*; De Quincey's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies*.

Group VI. (two to be selected).

Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury (First Series) Book IV.*, with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's

Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How they Brought the Good News From Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

Study and Practice. The examination will be upon the subject matter, form and structure of five books as indicated from the following list prescribed by the College Associations. It will presuppose the thorough study of each of the works selected.

Shakespeare's *Macbeth*; Milton's *Lycidas, Comus, L'Allegro, and Il Penseroso*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essays on Burns*.

For English the credit is *six units*.

MODERN LANGUAGES

Elementary German. Grammar:—Elementary Grammar, including the ordinary usages of syntax. Composition:—Ability to turn into German easy sentences that test the candidate's knowledge of grammatical principles. Reading and Pronunciation:—Ability to read and translate at sight a passage of easy prose, when a vocabulary of the less common words is provided. The careful preparation of two hundred and fifty duodecimo pages of German of varied character as to style and content should afford the required facility. *Two units.*

Intermediate German. The principles of German Grammar including a thorough knowledge of the forms, elements of word formation and the essentials of syntax. Translation of connected English prose of moderate difficulty into German. Ability to read fluently a German text of ordinary difficulty. The selection of passages for translation into English will be adapted to the proficiency of those who have read not less than five hundred pages of classical and contemporary prose and verse; at least one-half of the reading should be selected from the works of Schiller, Lessing or Goethe. *Two units.*

Advanced German. The reading of some five hundred pages of good prose and verse; the writing of numerous short themes; the translation of English into German. *Two units.*

Elementary French. Grammar.—A thorough knowledge of the forms of nouns, adjectives and pronouns, especially of personal pronouns as to form and position; the partitive construction; the conjugation of verbs both regular and irregular; the ordinary usages of syntax. Composition:—Ability to turn into French easy sentences that will test the candidate's thoroughness of preparation. Reading and Pronunciation:—Ability to read and translate easy prose at sight; the careful preparation of three hundred duodecimo pages of modern French, illustrating the style and vocabulary of various writers, should afford the required facility. *Two units.*

Intermediate French. A thorough knowledge of the principles of French Grammar, including accidence and syntax. It is expected that the candidate will have read at least six hundred duodecimo pages of modern French from the writings of standard authors. The following are recommended: Halévy, *l'Abbé Constantin*; Feuillet, *le Roman d'un Jeune Homme Pauvre*; Mérimée, *Colomba*; George Sand, *la Mare au Diable*. Ability to translate ordinary English prose into French such as may be acquired by turning into French sixty pages of easy English prose. *Two units.*

Advanced French. The reading of from six hundred to one thousand pages of standard French; the writing of numerous short themes in class; the study of syntax. *Two units.*

Elementary Spanish. Pronunciation; rudiments of Grammar, with illustrative exercises; translation of from one hundred to two hundred duodecimo pages. *Two units.*

Intermediate Spanish. Reading of about five hundred pages of ordinary difficulty; grammatical drill; word formations; advanced syntax. *Two units.*

CLASSICS

Latin. The requirements are those adopted by the Commission on College-Entrance Requirements in Latin in October, 1909.

I. Amount and Range of the Reading Required

1. The Latin reading required, without regard to the prescription of particular authors and works, shall be not *less in amount*

than Caesar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Virgil, *Aeneid*, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and *De Senectute*) and Sallust (Catiline and Jugurthine War); Virgil (*Bucolics*), *Georgics*, and *Aeneid*) and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*).

II. Subjects and Scope of the Examinations

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Virgil, *Aeneid*, I, II, and either IV or VI, at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

For Latin the credit is *eight units*.

Greek. Greek Grammar, including metrical scansion and prosody of Homeric verse. Xenophon's *Anabasis*, Books I-IV; Homer's *Iliad*, Books I-III (omitting the catalogue of ships). Practice in elementary Greek composition for one year.

The above specifications have in mind candidates admitted either by certificate or on examination. Applicants may offer as an alternative an examination on the following subjects: (1) The translation at sight of passages of Attic prose and of Homer's

Iliad; the ability to answer questions on ordinary forms and constructions, and on Prosody. (2) A thorough test on Xenophon's Anabasis, Book I, Chap. IX, and Book II, as to the candidate's knowledge of forms and syntax. (3) The translation into Attic Greek of an English passage taken from Books I—IV of the Anabasis. Any student admitted by certificate who in addition passes Test (3) will receive special credit, and be enrolled as a probable candidate for the Honor Courses.

For Greek the credit is *six units*.

HISTORY

The candidate will be expected to show on examination such general knowledge of each field as may be acquired by the study of an accurate text-book of not less than three hundred pages. The examination will call for comparison of historical characters, periods and events, and, in general, for the exercise of judgment as well as of memory.

(1) **American History**, with special stress upon the national period, and Civil Government. *Two units*.

(2) **Greek History** to the death of Alexander, with due reference to Greek life, literature and art. *One unit*.

(3) **Roman History** from the founding of the city to the fall of the empire, with due reference to literature and government. *One unit*.

(4) **Mediaeval History** from the fall of Rome to the close of the thirteenth century. *One unit*.

(5) **English History**, with due reference to social and political development. *One or two units*.

MATHEMATICS AND DRAWING

Elementary Algebra and Plane Geometry are required for admission to all courses; the other subjects are optional.

(1) **Elementary Algebra**. Algebra through Quadratics. The points to be emphasized are:—Rapidly and accuracy in performing the four fundamental operations, factoring and its use in finding the greatest common factor and the lowest common multiple,

radicals, the solution of linear equations containing one or more unknowns, the solution of quadratic equations, and the statement and solution of problems. Candidates who have not reviewed the work in Algebra during the last year in High Schools will be required to take examinations in this subject. *Two units.*

(2) **Plane Geometry.** The usual theorems and constructions of good text-books. Attention should be paid to the solution of original exercises and numerical problems and to the subject of loci. It is desirable that a short course in practical Geometry should precede the study of formal Geometry. *Two units.*

(3) **Solid Geometry.** The usual theorems and construction, of good text-books. Attention should be paid to the solution of original exercises and numerical problems and to the subject of loci. *One unit.*

(4) **Intermediate Algebra.** Theory of quadratic equations, remainder theorem, radicals with equations involving them, imaginary and complex numbers, ratio and proportion, variation, arithmetic and geometric progressions and graphs. *One unit.*

(5) **Advanced Algebra.** This includes permutations and combinations, the binomial theorem for positive integral exponents, logarithms, convergency of series, undetermined coefficients, partial fractions and inequalities. *One unit.*

(6) **Trigonometry.** Plane Trigonometry as presented in the best modern text-books. Especial attention should be paid to accuracy, neatness, and the proper arrangement of the work. *One unit.*

(7) **Drawing.** Elementary or advanced design, elementary or advanced representation or mechanical drawing. *One or two units.*

(8) **Advanced Drawing.** This course includes more advanced work in pictorial, decorative and constructive drawing. *One unit.*

NATURAL SCIENCES

Physics. One year's daily work in Physics, of which one-third should be laboratory work. The student should possess a thorough knowledge of the elementary principles of mechanics, heat, light, sound, electricity and magnetism, as presented in such text-books as Carhart and Chute, Hall and Bergen, Nichols (Outlines), Went-

worth and Hill, Gage, Thwing. Note-books on the work done in the laboratory, certified by the instructor, must be presented at the time of entrance. *Two units.*

Chemistry. One year's daily work in Chemistry, of which one-third should be laboratory work. The student should possess a thorough knowledge of the general laws and theories of chemistry and should be familiar with the occurrence, preparation and properties of the common elements and their compounds as presented in such text-books as Storer and Lindsey, Remsen, Newth. Note-books on the work done in the laboratory, certified by the instructor, must be presented at the time of entrance. *Two units.*

Zoology. One year's daily work in Zoology as presented in the text-books of Jordan, Davenport or Kellogg, with work in the laboratory and the field. A note-book on the work in the laboratory and the field, certified by the instructor, must be presented at the time of entrance. *Two units.*

Botany. One year's daily work in Botany as presented in Atkinson, Bergen, Coulter or Spaulding. A note-book, certified by the instructor, describing the work done in the laboratory and the field must be presented at the time of entrance. *Two units.*

Physical Geography. One year's daily work in Physical Geography as treated in the text-books of Tarr, Davis or Dryer, with training in the laboratory and the field. Note-books on the work in the laboratory and the field, certified by the instructor, must be presented at the time of entrance. *Two units.*

REQUIREMENTS FOR DEGREES

Every candidate for a Bachelor's degree in Arts or Science must complete 120 hours, partly prescribed and partly elective, all elections to be made with the advice and consent of the Dean, who shall also decide all exceptional cases.

Fifteen hours a week are required, except for Seniors, who may take twelve, provided that 120 hours in all are completed.

A.B. COURSE

Prescribed Subjects: English, 2 years; German or French, 2 years; Latin or Greek, 2 years; History, 1 year; Philosophy, 1 year; Mathematics, 1 year; Science, 1 year.

Freshmen: English, 1, 2; German or French, Latin or Greek, History 1, 2, or 3, 4; Mathematics 1, 2.

Sophomores: English 3, 4; German or French, Latin or Greek; Philosophy, Science.

Juniors and Seniors: Six courses in the two years in one group, and two courses outside the group; normally three in the group and one outside it each year. The choice of the major group must have the approval of the Faculty.

B.S. COURSE

Prescribed Subjects: English, 2 years; German or French, 2 years; History, 1 year; Philosophy, 1 year; Mathematics, 1 year; Science, 2 years.

Freshmen: English 1, 2; German or French; History 1, 2, or 3, 4; Mathematics 1, 2; Science.

Sophomores: English 3, 4; German or French; Philosophy; Science; Elective.

Juniors and Seniors: Six courses in the two years in one group and two courses outside the group; normally three in one group and one outside it each year. The choice of the major group must have the approval of the Faculty.

COURSE IN HOME ECONOMICS

Students who follow this course will receive the degree of Bachelor of Science, and the certificate for Home Economics; if they include the Education work they will also be eligible for the College Graduate Teachers' Certificate. For the description of Home Economics courses see p. 49.

Freshman Year. English 1, 2; German or French; History 1, 2 or 3, 4; Mathematics 1, 2; Chemistry 1, 2.

Sophomore Year. English 3, 4; German or French; General and Educational Psychology; Biology 1, 2; Cookery.

Junior Year. Organic Chemistry; Physics; Physiology; Foods; Sewing; House Building; Education 3, 4.

Senior Year. Dietaries; Bacteriology; Sewing; Household Management; Home Nursing; Economics 1; Education 5, 6.

MASTER'S DEGREE

The degree of Master of Arts will be granted to any Bachelor of Arts of this College who shall after graduation complete thirty hours (fifteen hours a week for two terms) of advanced study in the College, and shall submit a satisfactory thesis on a subject within the scope of such advanced work. The degree of Master of Science is conferred upon Bachelors of Science on the same conditions. The fees are the same as those of candidates for the Baccalaureate degree.

DEPARTMENTS OF INSTRUCTION

I. ENGLISH, RHETORIC AND ELOCUTION

PROFESSOR TURK, PROFESSOR MUIRHEID AND MISS INGERSOLL

Course 1, 2, is prerequisite to all other courses, and 3, 4, to all other courses in literature.

1, 2. **Rhetoric and English Composition.** Studies in Exposition: this is an elementary course designed to teach clearness and correctness of expression. Recitations, weekly themes and frequent consultations. Direction of private reading along lines of class study according to individual needs of students. *Three hours.*

3, 4. **Introduction to English Literature.** A general survey of the development of English Literature, together with the study, in class, of extracts from the poetry, and the private reading, fortnightly, of some classic. *Three hours.*

5. **Argumentation.** A course designed to give practice in extended organization of thought and training in methods of argumentative composition. Long themes at stated intervals. *Three hours. First Term.*

6. **Advanced Composition.** A study of the several literary forms: narration, description, exposition; with emphasis upon structural principles and effects in style and diction. Long and short themes. *Three hours. Second Term.*

7, 8. **Elocution.** This course is devoted to training in the use of the voice and practice in speaking. *One hour.*

9. **Old English (Anglo Saxon).** This course will aim at a working knowledge of Old English Grammar. A number of representative selections from Old English prose and poetry will be read. *Three hours. First Term.*

10. **Beowulf** and other Old English poems. The chief object of this course is a knowledge of the earliest English literature. *Three hours. Second Term.*

11. **Chaucer.** A study, chiefly literary, of the work of Chaucer, with some earlier Middle English prose and verse. *Three hours. First or Second Term.*

12. **The English Language.** A history of the English inflections and vocabulary with a discussion of various problems connected with the development of the language and with good usage. *Three hours. First or Second Term.*

13, 14. **Shakspeare.** A critical study of Shakspeare's work in connection with his life and times. Private reading of all plays and poems. *Three hours.*

15, 16. **English Novel.** A study of the growth of the novel in England and America from the Metrical Romances to the present time, with some consideration of the art of fiction. Private reading during the college year and in the previous summer vacation. *Three hours.*

17. **Literary Criticism.** An examination of the development of English literary criticism, with some discussion of foreign critical theory. Several English essays are read and commented upon in class, and others are read privately. *Three hours. First Term.*

18. **American Literature.** A survey of the literature of the American colonies and states, with especial regard to its connections with the parent literature of England

and its most interesting contemporary developments. *Three hours. Second Term.*

19, 20. **Tennyson and Browning.** A study of personality, development of poetic power, and relation to contemporary movements. Preliminary to this, certain phases of the Romantic Reaction in the late eighteenth and early nineteenth century will be considered in their bearing upon Victorian poetry. *Three hours.*

II. GERMAN LANGUAGE AND LITERATURE

PROFESSOR WILLIAMSON AND MR. HARRIS

A, B. Elementary Course. Kayser and Monteser, *Foundations of German*. Prose Composition. Reading of easy German texts, such as: Bacon, *Im Vaterland*; Baumbach, *Der Schwiegersohn*; Freytag, *Die Journalisten*. *Six hours.*

NOTE: This course must be taken by *all* students of German who have not had two years of High School German.

1, 2. Intermediate Course. Storm, *Der Schimmelreiter*; Schiller, *Die Jungfrau von Orleans*; Hauff, *Lichtenstein*; Goethe, *Egmont*. Oral and written composition. *Three hours.*

3, 4. Intermediate Course. Elster, *Zwischen den Schlachten*; Lessing, *Emilia Galotti*; Freytag, *Soll und Haben*; Goethe, *Hermann und Dorothea*. Oral and written composition. *Three hours.*

Students who choose the second Intermediate Course, in place of an advanced course, will be expected to read *one extra author* each term outside of class and pass an examination on the same before being admitted to the regular examination.

5. Conversation and Rapid Reading Course. Advanced prose composition. *Three hours.*

6. The Life and Works of Schiller. The development of the poet will be studied and representative works read. *Three hours.*

7, 8. The Life and Works of Goethe. *Dichtung und Wahrheit* and selected works. Themes to be written in German will be assigned from time to time. *Three hours.*

9, 10. The development of the German drama in the 19th century. Representative dramas of Kleist, Hebbel, Grillparzer, Hauptmann and Sudermann will be read. Witkowski, *Das deutsche Drama des 19ten Jahrhunderts.* *Three hours.*

11, 12. History of German Literature. Lectures and assigned reading. Thomas, *Anthology of German Literature.* *Three hours.*

III. ROMANCE LANGUAGES AND LITERATURES

PROFESSOR WILLIAMSON, PROFESSOR BARNEY AND MR. BARNETT

French Language and Literature

A, B. Elementary Course. Thieme and Effinger's French Grammar. Prose Composition. Reading of easy French texts, such as: Labiche, *La Grammaire*; Enault, *Le Chien du Capitaine*; Halévy, *L'Abbé Constantin.* *Six hours.*

NOTE: This course must be taken by *all* students of French who have not had two years of High School French.

1, 2. Intermediate Course. Dumas, *La Question d'Argent*; Hugo, *Hernani*; Vigny, *Cinq-Mars*; Daudet, *Contes.* Oral and written composition. *Three hours.*

3, 4. Intermediate Course. Hugo, *Bug Jargal* or *Quatrevingt-Treize*; France, *Le Crime de Sylvestre Bonnard*; Daudet, *Tartarin de Tarascon*; Bazin, *Les Oberlè.* Oral and written composition. *Three hours.*

Students who choose the second Intermediate Course, in place of an advanced course, will be expected to read *one extra author* each term outside of class and pass an examination on the same before being admitted to the regular examination.

5, 6. The Sixteenth Century. Study of the French Renaissance. Darmesteter-Hatzfeld, *Le Seizième Siècle en France*; Lemercier, *Chefs-d'Oeuvre Poétiques de Marot, Ronsard, Du Bellay*, etc. *Three hours.*

7, 8. The Seventeenth Century. Study of representative works of Corneille, Racine, Molière and La Fontaine. Warren, *French Prose of the Seventeenth Century*. *Three hours.*

9, 10. The Nineteenth Century. Study of the Romantic, Realistic and Naturalistic Movements. Selected works of Hugo, Vigny, Balzac, Sand, Zola, etc. *Three hours.*

11, 12. History of French Literature in outline. Lectures and assigned reading. *Three hours.*

Spanish Language and Literature

15, 16. Hills and Ford's Spanish Grammar. Composition. Reading of easy Spanish prose, like Fontaine's *Flores de España*, etc. *Three hours.*

17, 18. Alarcón's *El Capitan Veneno*, etc. Grammar and Composition. *Three hours.*

Italian Language and Literature

21, 22. Grandgent's Italian Grammar and Composition. Translation from easy Italian prose. De Amicis' *Cuore*. *Three hours.*

23, 24. Italian Composition. Manzoni's *I Promessi Sposi*, or D'Azeglio's *Niccolò de' Lapi*. *Three hours.*

IV. LATIN LANGUAGE AND LITERATURES

PROFESSOR WOODMAN AND MR. LEVINE

Courses 1-4 are prerequisite to all other courses. Of courses 5-13, two will usually be offered every year, one in each term.

A. B. Virgil, Aeneid. For students desiring to enter the Arts course who are not prepared to take Latin 1. *Three hours.*

1. Cicero and Terence. Cicero, *De Senectute* or *De Amicitia*; Terence, *Andria*. Grammar Review and Prose Composition. *Three hours. First Term.*

2. Horace. Odes and Epodes. Grammar Review and Prose Composition. *Three hours. Second Term.*

3. Livy. Books XXI and XXII, and selections from Book I. Sight Reading. Prose Composition. *Three hours. First Term.*

4. Horace. Satires and Epistles. Prose Composition. *Three hours. Second Term.*

5. Tacitus. Selections from the Histories or the Annals and one of the minor works. *Three hours.*

6. Cicero's Correspondence. Selections from the letters and survey of the life and times of Cicero. *Three hours.*

7. Poetry of the Republic. Selections from Lucretius and Catullus. *Three hours.*

8. Cicero's Philosophical Works. Selections from the *De Natura Deorum*, the *De Officiis*, or the *Tusculan Disputations*. *Three hours.*

9. Juvenal and Martial. Selections from the Satires and the Epigrams. *Three hours.*

10. Suetonius and Pliny. Selections from Suetonius' *Lives* and Pliny's *Letters*. *Three hours.*

11. Quintilian. Book X of the *Institutio Oratoria*. Lectures on Latin literature and reading of selections. *Three hours.*

12. Lyric and Elegiac Poetry. Selections from Catullus, Tibullus, Propertius, and Ovid. *Three hours.*

13. Roman Comedy. Plautus, *Rudens* and *Captivi*, and a play of Terence. *Three hours.*

14. Virgil. Reading of the *Bucolics* and the *Georgics*. Study of Virgil's life, poetry and influence. *Three hours.*

20. Advanced Prose Composition. Open to those who have passed satisfactorily courses 1-4. *One hour a week for one or two terms.*

V. GREEK LANGUAGE AND LITERATURE

PROFESSOR YEAMES AND MR. LEVINE

A, B. Course for beginners, designed to cover in one year the requirement for admission. Thorough study of the elements of the language, followed by the reading of simple Attic prose; Xenophon's *Anabasis* (selections). *Six hours. 1912-13.*

1. Xenophon's *Memorabilia* (selections) and *Symposium*; or *Lysias* (selected *Oraticns*); and *Herodotus* (selections); grammar review and prose composition. *Three hours. First Term.*

2. Homer's *Odyssey* (selected books); study of epic forms and syntax; lectures on the Homeric poems and Homeric antiquities. *Three hours. Second Term.*

3. Plato's *Apology* and *Crito*, with part of the *Phædo*, or the *Euthyphro*; lectures on the Socratic philosophy; prose composition. *Three hours. First Term.*

4. The *Clouds* of Aristophanes, and the *Alcestis* or *Iphigenia in Tauris* of Euripides; lectures on the drama. *Three hours. Second Term.*

5. Thucydides, Books VI and VII, or Book I and selections; history of the period; prose composition. *Three hours. First Term.*

6. The Prometheus of Aeschylus, the Antigone of Sophocles, and the Medea or Hippolytus of Euripides. *Three hours. Second Term.*

7. The Oration of Demosthenes On the Crown, or the Olynthiac and Philippic Orations; history of the period; prose composition. *Three hours. First Term.*

8. The Agamemnon of Aeschylus, the Oedipus Tyrannus of Sophocles, and the Frogs or Birds of Aristophanes. *Three hours. Second Term.*

9. The Republic of Plato (selections); introduction to the study of Greek Philosophy; prose composition. *Three hours.*

10. Lyric Poetry; selections from the Lyric and Elegiac Poets, or from Pindar's Olympian and Pythian Odes. *Three hours.*

11. Pastoral Poetry; selections from Theocritus, Bion, and Moschus; lectures on the Greek Idyl and its influence on later literature. *Three hours.*

12. The New Testament: the Gospel of Luke or the Acts of the Apostles; study of the peculiarities of New Testament language and its relation to the Septuagint and Hellenistic Greek. *Alternate years.*

VI. BIBLE STUDY

MR. BALLARD

1, 2. **The Old Testament.** The composition of the Old Testament; outline history of the Hebrews; rise of law and prophecy; the development of the Hebrew religion and the Jewish Church. *Two hours. 1913-14.*

3, 4. **The New Testament.** The life, times and teaching of Christ; the early days of the Christian Church. *Two hours. 1912-13.*

VII. HISTORY

PROFESSOR SILVER AND MR. BALLARD

Instruction is given in all courses by lectures, private reading on specially assigned subjects with weekly written reports being required of all students.

Courses 1 and 2, or 3 and 4, are required of all students for graduation and should be taken in the sophomore year.

1. **History of Ancient Civilization.** A survey of the life and institutions of the Egyptians, the Chaldeans, the Assyrians, the Hindus, the Hebrews, the Phœnicians, and the Persians and the Greeks. *Three hours. First Term, 1912-13.*

2. **Greek and Roman History.** A study of the history of Greece and Rome and their institutions under the monarchies, republics and empires. *Three hours. Second Term, 1912-13.*

3. **Mediaeval Europe.** The history of Western Europe from the fall of the Roman empire to the close of the Middle Ages, at the end of the XIIIth century, including the causes of Rome's fall, the invasions and settlements of the Germans, the empire of Charlemagne, the rise and growth of the Papacy, feudalism, monasticism, scholasticism, the crusades and the rise and growth of the states of Western Europe. *Three hours. First Term, 1913-14.*

4. **The Renaissance and the Reformation.** The history of Western Europe from the close of the XIIIth cen-

tury and during the revival of learning, the inventions and discoveries of the XVth century and the reform of religion to the middle of the XVIth century. *Three hours. Second Term, 1913-14.*

5. **Modern Europe.** The history of Western Europe from the middle of the XVIth century, accession of Elizabeth, to the French Revolution. *Three hours. First Term.*

6. **The French Revolution and the Napoleonic Empire.** The history of France and of Western Europe during the Revolution, the First Republic, the Directory and the Empire. *Three hours. Second Term.*

7. **Contemporary Western Europe.** A study of the internal development and external relations of England, France, Belgium, Holland, Spain and Portugal from the overthrow of the Napoleonic Empire in 1814. *Three hours. First Term, 1913-14.*

8. **Contemporary Central and Eastern Europe.** A survey of the internal development and external relations of Switzerland, Italy, Germany, Denmark, Norway, Sweden, Austro-Hungary, Russia and Turkey since the overthrow of Napoleon in 1814. *Three hours. Second Term, 1913-14.*

9. **English History,** from the earliest times to the death of Elizabeth. *Three hours. First Term, 1912-13.*

10. **English History,** from the accession of James I to the present time. *Three hours. Second Term, 1912-13.*

11. **American History, 1775-1845.** The history of the Revolution, the formation of the Union and of the development of the people under the rule of the fathers of the country, of the New Republicans after the war of

1812 and of the Jacksonian Democracy to the Mexican war. *Three hours. First Term, 1912-13.*

12. **American History, 1845-.** The history of the American people during the slavery agitation, Civil War, the period of Reconstruction and under the later Republican rule. *Three hours. Second Term, 1912-13.*

13. **Current Topics.** A survey and discussion of the chief events of interest happening from day to day. One hour a week throughout the year. The course is purely voluntary and does not count for hours.

VIII. ECONOMICS AND SOCIOLOGY

PROFESSOR WILLIAMS

Courses 1-6 inclusive and course 9 are open to Sophomores, Juniors and Seniors without any requirements. Courses 7 and 8 are open to Juniors and Seniors who have taken Elementary Psychology.

1. **Elementary Economics.** The natural resources of the United States and their conservation. The theories of value, rent, wages and interest. Money and banking. Foreign trade and the tariff. *Three hours. First Term, 1912-13.*

2. **Economic Problems.** History of transportation. Theory of passenger and freight rates. Governmental regulation, operation and ownership of transportation. Work of the Interstate Commerce Commission and the State Public Service Commissions. History and theory of monopoly. Corporation finance. State and federal regulation of corporations. Public finance. Problems of taxation. *Three hours. Second Term, 1912-13.*

4. **The Labor Problem and Socialism.** History and principles of trade unionism. Relation of the state to the improvement of conditions of labor. History and principles of Socialism. *Two hours. Second Term, 1913-14.*

5. **Social Problems.** The growth of cities; housing; tuberculosis; infant mortality; immigration; the negro; gambling; intemperance. Remedial agencies: social settlements; playgrounds; reforms in public school education; legislation. *Three hours. First Term, 1913-14.*

6. **Charities and Corrections.** Statistical treatment of wage rates in relation to standards of efficiency. Causes of poverty: personal inefficiency; low wages; unemployment; industrial accidents. Remedies: profit-sharing; producers' and consumers' co-operation; minimum wage laws; industrial education; physical and manual training in public schools; compensation acts; old-age pensions; woman and child labor laws; industrial insurance; loan associations; savings institutions. Crime: causes of crime; criminal anthropology. Remedies: reform of criminal law and procedure; the juvenile court; the junior republic; state prison systems. *Three hours. Second Term, 1913-14.*

7. **Social Psychology.** An analysis of the psychological processes at the basis of social relations. The social individual: instinctive tendencies; temperament; disposition; character; the processes of social attention. The relation of the individual to the social environment: physical expression; the development of group ideas, beliefs, attitudes. Group rivalry; the rivalry of family, religious, political and economic groups. Education and group rivalry *Two hours. First Term, 1912-13.*

8. **History of Social Institutions.** The origin and development of the family, church and state. Institutional problems: marriage and divorce; the function of the church in modern life. *Two hours. Second Term, 1912-13.*

9. **Ethnology.** Analysis and criticism and statistical treatment of the selectionist and mutationist theories of evolution and discussion of their application to human society. The origin of man. The races of mankind and their dispersion. The treatment of lower races by higher: history and theories of colonization. The origin and development of language and technology. *Two hours. First Term, 1913-14.*

IX. PHILOSOPHY AND PSYCHOLOGY

PROFESSOR BOSWELL

Philosophy

1. **History of Greek and Mediaeval Philosophy.** An historical introduction to the problems of philosophy. The lectures emphasize the development of the central ideas of philosophical thought in relation to the growth of science and the changes of civilization. Selections are read from the works of Plato, Aristotle, the Stoics, Plotinus and Augustine. *Three hours. First Term.*

2. **History of Modern Philosophy** from the Renaissance to the present time. A continuation of Course 1, but may be taken separately. Selections are read from the modern classical philosophers. *Three hours. Second Term.*

3. **Introduction to Systematic Philosophy.** A brief survey, in lectures, of the field of Philosophy with an indication of its fundamental problems. Should be taken in connection with Course 1. Collateral reading. *One or two hours. Second Term.*

4. **Ethics.** An analysis of the Moral Consciousness. A brief historical survey of the chief stages of ethical reflection. Outline of a theory of intrinsic goods with applications. A study of the psychological and ethical relations of the individual and society and of the ethical significance of the chief social institutions with especial reference to their historical development. Lectures and a thesis. *Three hours. First Term.*

5. **Introductory Logic and Theory of Knowledge.** The nature and function of thought, the traditional theories of the forms of reasoning. The process of inference. Lectures, practical exercises and recitations. Creighton's *Introductory Logic*. *Three hours. Second Term.*

6. **Metaphysics.** A critical and constructive consideration of first principles in knowledge, the physical order, human conduct and sentiment. Lectures, discussions and a thesis. Open only to Seniors. Presupposes Courses 1, 2, and 5. *Three hours. Second Term.*

Thesis. For Honors a Thesis is required, for which a credit of three hours is given.

Psychology

Any of the courses in Psychology, except 7, may be offered for credit in the department of Biology or the department of Philosophy.

7. **Introduction to Psychology.** This course is intended to give the student a general knowledge of the main aspects and problems of Psychology. During the last weeks lectures will be given on the Philosophical Problems of Psychology. Prescribed for all Sophomores. *Three hours. First Term.*

9. **General Advanced Psychology.** Three lecture hours and one laboratory period a week. In this course special attention will be paid to the functions of psychic processes in the adjustment of the organism to the environment. *Four hours. First Term.*

10. **Experimental Psychology.** Four hours laboratory work and one lecture. The aim of this course will be to train the student in scientific observation in psychological work, and to give him some practical acquaintance with the main facts upon which the science of Psychology is founded. Prerequisite Course 7 or an equivalent. *Three hours. Second Term.*

11. **Animal Psychology.** Three lecture hours and one laboratory period a week. In this course the facts of animal behavior and their relations to psychic processes, the development of the animal mind and its relations with the human mind will be studied. *Four hours. Second Term.*

12. **Research Work.** Students taking 9 will have the opportunity of taking part in any research work which may be in progress and will receive credit for such work, and any competent student wishing to study for Honors in Psychology will be allowed to take up a problem under the guidance of the instructor.

13. **Psychological and Philosophical Seminar.** Should such a course be demanded, meetings of the advanced

students of Psychology or Philosophy will be held, in which topics of psychological and philosophical interest will be informally discussed. *Two hours.*

X. EDUCATION

PROFESSOR BOSWELL AND MISS CURTIS

The courses in this department are designed primarily to meet the requirements for the College Graduate Professional Certificate of the Education Department of the State of New York, and are given with the approval of the Department. These courses constitute three consecutive years' work.

1. **General Psychology.** Identical with Psychology 7. *First Term.*

2. **Educational Psychology.** Detailed study of special psychological topics, such as Perception, Memory, Imagination, Conception, Reasoning, Interest, Attention, Apperception, Habit, Will, Character, Suggestion, Imitation and Fatigue, with especial reference to their educational applications. *Three hours. Second Term.*

3. **History of Educational Theory and Practice** from the Greeks to the present time. In this course especial stress will be laid upon the historical relations of education to philosophy and to social organization and theory. Presupposes Courses 1 and 2. *Three hours. First Term.*

4. **The Principles of Education.** Educational aims, values and methods considered in the light of general philosophy. Presupposes Philosophy 1 and Education 1, 2 and 3. *Three hours. Second Term.*

5, 6. **Method in Teaching.** A consideration of the methods of teaching the chief subjects of instruction in

elementary and secondary schools. *Two hours. Both Terms.*

7. **Pedagogical Practicum.** Observation of actual teaching in the Geneva Schools, for not less than twenty hours, under the direction of the Instructor in pedagogical methods.

XI. MATHEMATICS

PROFESSOR DURFEE AND MISS CURTIS

1. **Algebra.** Selected topics in Higher Algebra. This course is required of all candidates for a degree. *Three hours. First Term.*

2. **Trigonometry and Mensuration.** In this course especial attention is paid to the art of computing. Required of all candidates for a degree. *Three hours. Second Term.*

3, 4. **Elementary Analysis.** An introduction to Analytic Geometry and Calculus. *Three hours.*

5. **History of Mathematics.** *Two hours. First Term.*

6. **Teacher's Course in Elementary Mathematics.** *Two hours. Second Term.*

7. **Geometry.** An elementary course in Projective Geometry. *Three hours. First Term.*

8. **Selected Topics in Advanced Algebra and Analytic Geometry.** *Two hours. Second Term.*

XII. ASTRONOMY

PROFESSOR BROOKS

Descriptive Astronomy. A course in Descriptive and Observational Astronomy. The lectures are illustrated by explanatory apparatus, charts and stereopticon views, introducing the latest achievements of astronomical photography. The course includes, at hours appointed by the Director, observations of celestial objects with the telescope at Smith Observatory. This course is an elective, open to Seniors and Juniors. *Two hours.*

XIII. PHYSICS

PROFESSOR BACON AND MR. OSBORN

1, 2. **General Physics.** An introductory course extending through the year. Lectures with text-book assignments and problems, accompanied by laboratory work. Lectures and recitations, three hours; laboratory work one period. *Four hours.*

3. **Electricity and Magnetism.** A study of the general phenomena and some of the applications of electricity, the methods of measurement and the development of equations used in the laboratory and in connection with practical applications. Lectures and recitations, three hours; laboratory work two periods. *Five hours. First Term.*

4. **Light.** A study of the historical and experimental development of the subject with a discussion of the theory. Lectures and recitations, three hours; laboratory work two periods. *Five hours. Second Term.*

The department is prepared to give other advanced courses, either theoretical or laboratory work, for students who are prepared to do the work.

Laboratory Fees

A laboratory fee of three dollars per term is required of all students taking laboratory courses in Physics.

XIV. CHEMISTRY

PROFESSOR LANSING AND MR. SIBLEY

1, 2. **General Chemistry.** Lectures and recitations three hours a week; laboratory work two hours a week. The lectures in this course cover the fundamental theoretical parts of inorganic Chemistry; the properties and reactions of the elements and their compounds are studied in detail. The elementary facts of organic chemistry are considered in sufficient detail to prepare the student for Home Economics I. *Four hours.*

3, 4. **Qualitative Analysis.** Laboratory and lectures six hours a week. This course trains the student to draw correct inferences in regard to the composition of substances from a carefully arranged series of experiments. The knowledge obtained from these experiments is applied gradually, as gained, to the analysis of a large number of solutions and solids. At the end of the course the student should be able to analyze any ordinary inorganic substance. Prerequisite 1, 2. *Three hours.*

5, 6. **Quantitative Analysis.** Laboratory with personal instruction, six hours a week. The work consists of a study of gravimetric and volumetric methods and the analysis of salts and minerals. Laboratory guides: Talbot's Quantitative Analysis, and special written directions. Prerequisites 1-4, or 1, 2 and 9, 10. *Three hours.*

8. **The Historical Development of Chemical Theory. Elementary Physical Chemistry.** Lectures, recitations,

required reading and written reports. The lectures discuss in detail the history of the science, tracing it from the earliest times to the present day, and dwelling especially upon the modern physico-chemical theories. Prerequisite 1, 2. *Three hours. Second Term.*

9, 10. **Organic Chemistry.** Lectures and laboratory work. The lectures cover the principles of organic chemistry as illustrated by the derivatives of methane and benzene and their homologues. They also consider the elements of Physiological Chemistry in sufficient detail to prepare students for advanced work in the Home Economics department. The laboratory experiments are selected with especial reference to the same object. Prerequisite 1, 2. *Three hours.*

11, 12. **Air, Water and Food Analysis.** The analysis of air, water, milk and various foods. Laboratory work six hours a week. The work may be varied considerably according to the needs and interest of the student. Prerequisites 1-6. *Three hours.*

13, 14. **Advanced Quantitative Analysis, including Gas Analysis.** One lecture and four hours laboratory work a week. Prerequisites 1-6. *Three hours.*

Laboratory Fees and Expenses

All students in the department of Chemistry taking Course 1, 2, are required to make a deposit of five dollars with the Treasurer of the College before receiving their laboratory keys; those taking any other course must deposit six dollars. This deposit, less the amount deducted for apparatus broken or missing, is refunded at the end of the college year.

To cover the cost of chemicals, gas, etc., a fee of five dollars per term is paid by each student in Course 1, 2. The fee for this purpose for courses subsequent to this is nine dollars per term.

XV. BIOLOGY

PROFESSOR EATON AND MR. WATSON

1, 2. **Elementary Biology.** Lectures, laboratory work and recitations. A practical study of the structure, physiology and general activities of representatives selected from the chief classes of plants and animals. Brief study of embryonic development, and of the histology of the earthworm, including methods of preparing the specimens examined. The general problems of Biology. *Four hours.*

3, 4. **Zoology.** Lecture and laboratory course, with monthly quizzes and reviews. Detailed study of representative types of animals. Numerous forms used for comparison and demonstration. Comparative study of the evolution of animal organs and their functions. Illustrated lectures on adaptations, coloration, habit, instinct, ecology, embryology, heredity, distribution. Classification and nomenclature. *Four hours, 1912-13.*

5. **Botany.** A course in plant morphology, physiology and ecology. Detailed study of representative types of plants, and of their life-processes. Laboratory examinations, experiments and drawings will occupy a large portion of the time in this course. *Four hours. First Term, 1913-14.*

6. **Systematic Botany.** A study of the principal systematic groups of plants. Practical work in identification and classification. The student is expected to

become familiar with a large number of native plants and with the more important and interesting exotic species, and to prepare a representative herbarium. Lecture, laboratory and field course. Monthly quizzes and reviews. *Four hours. Second Term, 1913-14.*

7. **Histology.** Laboratory work, four hours a week, on the structure of the various tissues in plants and animals. Practice in the fixing, staining and mounting of tissues for microscopic slides. *Two hours. First Term, 1912-13.*

8. **Embryology.** Laboratory work, four hours a week, on the development of the chick, fish, and Guinea pig. *Two hours. Second Term, 1912-13.*

9. **Ornithology.** Lecture, laboratory and field course in bird-study. Structure, classification and identification. Migration, adaptations, nesting habits, and general life-histories of our common birds. This course will include one field trip a week. *Three hours. Second Term, 1913-14.*

10. **Physiology.** The comparative anatomy and physiology of the human body. Practical physiology and hygiene. Lectures, recitations and laboratory work. *Three hours. First Term, 1913-14.*

See note under Psychology in regard to other courses which may be counted in this Department.

Laboratory Fees

The laboratory fee in this department is five dollars a term in all courses.

XVI. HOME ECONOMICS

MISS SPALDING

The objects of this Department are to prepare students for the administration of the home or to enable them to teach the elements of Home Economics in the elementary and secondary schools. Attention will be given to the different problems of the home, the time being divided between the study of food, shelter, clothing, and practical hygiene. In order to take these courses, the student should have a certain amount of Chemistry, Biology, Physiology, Physics and Bacteriology (see p. 26).

1, 2. **Cookery.** Lectures, recitations and laboratory work five hours a week. The kitchen equipment. The study of the composition and economic selection of food and the processes of cookery. Prerequisite Chemistry 1,

2. *Three hours.*

3, 4. **Foods.** Lectures, recitations and laboratory work five hours a week. Preservation of foods. Fancy cookery. Combination of foods worked out theoretically and practically with regard to food value, cost, time and effort of preparation, and attractiveness. Prerequisite 1,

2. *Three hours.*

5. **Dietaries.** Recitations and lectures. Laboratory work done outside of the class. Nature and functions of food. The quantity and kind required for the greatest efficiency. Prerequisites 1-4; Physics; Chemistry 9, 10; and Biology 10. *Three hours. One term.*

7, 8. **Sewing.** Hand and machine stitching. The textiles. Cutting and drafting. Application of this knowledge in the construction of simple garments. *Three hours.*

9, 10. **Sewing.** Identification and economic use of fabrics. Making of more elaborate garments and household furnishings. Mending. Prerequisite 7, 8. *Three hours.*

11, 12. **Household Management.** Expenditure of the income. Household accounts. Care of the house and its furnishings, study of lighting, heating, ventilation and water supply. *Three hours.*

13, 14. **House Building.** The study of house plans, elevations and construction to enable the student to interpret intelligently the architect's plans. Problems of house furnishing. *Three hours.*

15. **Home Nursing.** Lectures and recitations given by a trained nurse. An elementary course in first aid and treatment of cases that do not require a trained nurse. *Two hours. One term.*

Laboratory Fees

Course 1, 2, five dollars a term; Course 3, 4, six dollars a term.

XVII. MUSIC

This College recognizes the value of Music in higher education, but believes the study of Music in colleges should be primarily cultural rather than professional. Accordingly this Department offers six courses in the History and Theory of Music, for which credit will be granted toward the Baccalaureate degree. These courses are not open to Freshmen. Provision is also made for instruction in Vocal and Instrumental Music, terms for which may be obtained on application. Students must

secure the approval of the Dean before electing such a course.

1. **History of Music.** A non-technical course in the history of Music, for which no previous knowledge of music is required. By means of weekly lectures the development of music is traced from its crude beginnings among ancient civilized peoples down to the twentieth century. *One hour. First Term.*

2. **Appreciation of Music.** A didactic course of lectures, supplemental to Course 1, designed to develop intelligence in listening to music. *One hour. Second Term.*

3. **Elementary Theory.** This course includes the study of elementary musical acoustics, scales, intervals, and ear-training, preparatory to Course 4. *One hour. First Term.*

4. **Harmony.** This course is a continuation of Course 3, and includes the analytic and synthetic study of the formation and interconnexion of chords, and the harmonization of given melodies and basses. It may be followed by a course in practical composition in homophonic forms. *One hour. Second Term.*

5. **Counterpoint.** The work of this course consists in writing additional parts in the five species of counterpoint to a given Cantus Firmus in the order of two, three and four voices. Courses 3 and 4 are prerequisite. *One hour.*

6. **Pedagogy.** In this course are taught those branches required for the supervision of music in primary and secondary schools, including a practical method for developing good tone production in children. *One hour.*

XVIII. PHYSICAL TRAINING

MR. WHITE

The aim of the Department of Physical Training is to provide exercise that will produce a harmonious development for the greatest number of students rather than specialization at the expense of a portion of the class. At the beginning of the year each student is given a thorough physical examination by the college physician and any necessary treatment or exercise is prescribed. Students are required to take the work of this department throughout the college course.

GYMNASTICS

1, 2. **Elementary Gymnastics.** Marching tactics, Swedish gymnastics, dumb bell and wand drills, graded apparatus work, aesthetic dancing, gymnastic games. Required of first year students two hours a week from Thanksgiving to Easter. 7-8 may be substituted for 1-2 upon consultation with the Director.

3, 4. **Intermediate Gymnastics.** Marching tactics, Swedish gymnastics, Indian club and wand drills, advanced apparatus work, aesthetic dancing, gymnastic games. Required of second year students who have satisfactorily completed 1-2 or 7-8. Two hours a week from Thanksgiving to Easter.

5, 6. **Advanced Gymnastics.** Marching tactics, Swedish gymnastics, fencing, apparatus work, aesthetic dancing gymnastic games. Required of third and fourth year students two hours a week from Thanksgiving to Easter.

7, 8. **Corrective Gymnastics.** Required of all students whose physical examination prescribes special exercises.

ATHLETICS

Outdoor work in tennis, basketball, volley ball, indoor baseball and field hockey is carried on under the direct supervision of the Instructor. Required of all students who are physically qualified two hours a week before Thanksgiving and after Easter.

GENERAL REGULATIONS

RELIGIOUS SERVICES

A religious service of an unsectarian character is conducted every morning in one of the College Houses. Presence at this service is voluntary, and on Sunday the students are free to attend the churches of their choice.

TERMS AND VACATIONS

The academic year extends from the Wednesday after the third Tuesday in September to the third Thursday in June, inclusive; with a Christmas recess of at least two weeks; an Easter recess of ten days; and with recognition of certain legal holidays. This academic year is divided into two terms of equal length.

DISCIPLINE

Any student who fails to attain the ends of college membership may be dismissed at the discretion of the Faculty. Conduct and influence as well as scholarship are included in the scope of this regulation. No person will be dismissed from the College as in good standing who leaves it while under censure.

RESIDENCE AND EXPENSES

College Houses. It is the desire of the authorities to provide for students in residence the refining influences of well-ordered homes, and without imposing needless

restraint to give each student such supervision as earnest young women absent from home should receive. The college houses are not large, and it is proposed to constitute each household as far as may be like a private family; to this end each house has a competent lady as its head. The houses are handsomely furnished, and all the surroundings are as homelike and as slightly "institutional" in character as possible. For a description of the College Houses see below under Equipment.

Expenses. The charge for Tuition is \$100 per year. There is a Library fee of \$4 a year, and a Physical Training fee of \$6 a year. In addition to this each new student pays an entrance fee of \$5, and each Senior a diploma fee of \$5. The Laboratory Fees are given in the statements of the science departments above. Books cost usually about \$20 a year.

The charge for Board in a college house is \$350; this includes room, table board and a limited amount of washing. Students desiring rooms must secure from the Dean application blanks; on the return of the blanks with the \$5 entrance fee, the rooms are reserved. Incoming students will receive the rooms reserved for them from the Mistress of the House. Students who remain in college during vacation are charged \$8 a week board.

College Dues for tuition, board, etc., must be paid in advance in two equal instalments at the beginning of each term.

Anne Fitzhugh Miller Scholarship. This scholarship, the first to be given to William Smith College, was established in 1909 by Miss Anne Fitzhugh Miller of Geneva with a gift to the Corporation of \$2,000. The incumbent

of this scholarship must be a resident of Geneva, and the right of nomination to it is vested in the woman member of the Board of Trustees of the Geneva Public Schools.

Student Aid and Employment. The College is able to assist a few well prepared students, who need such aid in order to take a course here, in various ways. Those interested should make inquiry of the Dean of the College.

EQUIPMENT

GROUND AND BUILDINGS

Smith Campus comprises about twenty-four acres, extending from Pulteney Street, the western boundary of Hobart College, up over the "Ridge" and down the western slope, fronting for a quarter of a mile on St. Clair Street. A large part of the grounds now included in Smith Campus were under careful cultivation as a private estate for nearly half a century before they were purchased by the College. In consequence the College succeeded to beautiful grounds with a wide expanse of lawn and a great variety of cultivated trees. The College Houses—Blackwell House and Miller House—and the Gymnasium are on the crest of the "Ridge," while Smith Hall is on the slope rising from Pulteney Street to the "Ridge."

Smith Hall, the main building of the College, stands well back on the Campus, facing on Pulteney Street. It is a three-story building, containing the lecture-rooms for the literary departments, seminaria where special collections of books are gathered, administrative offices, and, on the second and third floors, the Biological and Psychological laboratories and lecture-rooms. The building was erected in 1908 and is named for the Founder of the College, in memory of whom, a bronze tablet was placed upon its walls by the Charter Class of 1912 at the time of their graduation.

The James J. Demarest Memorial Library Building is a large stone edifice in the Early English style. The south portion of the building was erected in 1885-6 from funds

contributed principally by Mrs. Julia Douglas Merritt. The north portion was erected in 1895, through the liberality of Mrs. Agnes Demarest of Buffalo. To her gift for this purpose Mrs. Demarest soon after added a further sum equivalent to the cost of the portion of the building erected in 1885-6, making her total gift to the library fifty thousand dollars. This gift carried with it under the original arrangement of the Corporation the privilege of naming the building, all previous gifts becoming part of the library endowment fund. The total shelving capacity of the building is estimated at one hundred thousand volumes. The main floor is divided between alcoves and stacks.

Trinity Hall, on Main Street, which was finished in 1838, was a gift to Geneva College from the Protestant Episcopal Society for Promoting Religion and Learning. In 1901 this building was refitted as a Physics Building and equipped with modern apparatus, which has been greatly augmented since.

Merritt Hall, also on Main Street, close to Trinity Hall, was erected in 1879-80 from funds furnished by various persons, the principal sum being a gift from Mrs. Julia Douglas Merritt through William B. Douglas. Since 1901 this building has been thoroughly equipped as a Chemical Laboratory.

Smith Observatory, which was erected on Castle Heights by Mr. William Smith in 1888 and maintained by him for many years, passed in 1906 into the possession of the College as a part of the Smith Foundation.

THE COLLEGE HOUSES

Elizabeth Blackwell House, which was opened in September, 1908, was named in honor of the late Dr. Elizabeth Blackwell, who received the degree of Doctor of Medicine from Geneva College in 1849. Dr. Blackwell was the first woman to take that degree in this country. Blackwell House is a large three-story building with heavy exterior brick walls, many interior brick partitions, double cement-deafened floors, etc. On the first floor are a drawing-room, a library, and a large study; the second and third floors contain students' rooms. The views from this house in every direction are of exceptional variety and beauty, especially that from the great west window, which was furnished with plate glass through the kindness of Miss Anne Fitzhugh Miller—the first gift to William Smith College after its foundation. This House is indebted for a beautiful copy of the *Winged Victory* to Mrs. Langdon C. Stewardson.

Elizabeth Smith Miller House, the new Dormitory opened in September, 1910, was named in honor of Mrs. Elizabeth Smith Miller, a venerated citizen of Geneva, daughter of Gerritt Smith, and herself widely known for public service, especially in the cause of women. The building has four floors: on the ground floor are the dining-room, kitchen, pantries, etc.; the main floor has a hospitable hall and spacious drawing-room, besides the House Mistress' suite and a few students' rooms; the other two floors contain students' rooms, single, double, suites for two or suites for three. The furnishings and appointments have been completed with the greatest care.

THE LIBRARY

The Library contains fifty thousand volumes and over fifteen thousand pamphlets. The following special funds have been given to the Library for the purchase of books: (1) The Kendrick Metcalf fund, established in 1872 by the bequest of the late Rev. Professor Kendrick Metcalf, D.D.; (2) The Mrs. Louis D. Collins fund, established in 1890 by Mrs. L. D. Collins; (3) The Peter Richards fund, established in 1894 by the bequest of the late Peter Richards of Geneva; (4) The Arthur Cleveland Coxe, Jr., fund, established in 1895 by Alexander L. Chew, Esq., of Geneva, for the creation of a special collection of works on archæology, as a memorial of his grandson, Arthur Cleveland Coxe, Jr., a member of the class of 1897; (5) The Charles Delamater Vail fund of \$5000, established in 1903 by Mrs. Charles D. Vail. In September, 1902, Mrs. C. D. Vail also gave \$1000 for immediate expenditure for the benefit of the departments of Chemistry, Physics, English and German. In 1907, the Library received by bequest the library of John Safford Fiske, Esq., of Allassio, Italy, a collection of 4,000 volumes, very rich in Romance literature and in art.

An auxiliary library for class work and general reading has been placed in the study and library of Blackwell House.

The Library is under the supervision of a Committee, consisting of the Librarian and six members of the Faculty. It is open during the greater part of every week-day. All books may be drawn for home use under prescribed regulations except illustrated works, books of special value, and works of general reference.

THE LABORATORIES

The Physical Laboratory occupies nearly the whole of Trinity Hall. On the second floor is a large lecture room, two stories high. The lecture desk is supplied with electricity, gas, air-blast and exhaust. The apparatus room contains an equipment of instruments of the latest design sufficient for the purposes of demonstration in the various branches of physics. On the ground floor are laboratory rooms specially designed for experimental work in dynamics, heat, light, sound, electricity and magnetism, photography and for other purposes. The training given in the Physical Laboratory, while not technical, is amply sufficient to prepare students for the advanced courses in the universities and technical schools.

The Chemical Laboratories occupy Merritt Hall. On the first floor are found the advanced laboratory, devoted to organic and special branches of chemistry, the chemical library, and balance room, the Professor's private laboratory and office, a laboratory of sanitary chemistry, a store-room and the analytical laboratory. The second floor is occupied by a laboratory for general chemistry which accommodates forty students, and a lecture room which seats about the same number. Between these two is a preparation and supply room. The basement laboratory is retained for special purposes. The equipment of all the laboratories is new and of modern construction. Facilities are at hand for pursuing work in both general and special branches of the subject.

The Biological Laboratories, lecture rooms, store-rooms, etc., occupy the entire second floor with parts of the third floor and basement of Smith Hall. The genera

laboratory, as well as those for special research, is equipped with the most modern apparatus and appliances for individual work. The aquarium and vivarium rooms are arranged for studying the life-activities of those forms selected for special investigation, and the Museum, which occupies a portion of the third floor, is not only devoted to an exhibition of typical forms and models, but also includes many local animals and plants, which collection will as soon as possible be made complete.

The Psychological Laboratory is situated on the third floor of Smith Hall. It consists of a number of rooms so constructed for psychological work as to ensure great quiet and freedom from disturbance. The arrangement of the rooms for work in vision has been copied after that of the University of Freiburg, and is particularly advantageous. There are also special rooms for work in physiological and comparative psychology, and for experiments in audition, a general laboratory and several small rooms in which experiments requiring especial quiet may be performed. Besides these there are a large lecture-room, a work-shop and a photographic dark room. The equipment is all new, of a high grade, and very complete, especially in demonstration apparatus, apparatus for work in vision and for the courses in experimental psychology.

The Home Economics Laboratory occupies the north extension of Blackwell House. It has just been fitted up with modern appliances for cookery and arranged for classes of sixteen students. The tile-topped desks, enameled sinks, and linoleum floor covering are designed to preserve cleanliness with a small amount of labor. The high and low gas ranges, coal range and fireless cooker give the students a chance to become familiar with the

different kinds of cooking arrangements. In connection with the laboratory is a model dining room, where the dishes prepared in the laboratory can be properly served.

SMITH OBSERVATORY

Smith Observatory is a strong tower seventeen feet in diameter and thirty-four feet in height, surmounted by a revolving dome. Below are a reception room and a room for the meridian circle and the astronomical clock; above under the dome stands the large equatorial telescope, a refractor of ten inches aperture with a photographic lens of the same size. The telescope and dome were built by Warner and Swasey of Cleveland, Ohio, makers of the great Lick and Yerkes telescopes.

MUSEUM

The Biological and Geological Museum occupies a portion of Smith Hall. The extensive series of fossils and casts is designed to illustrate the evolution of plants and animals from the earliest strata to recent time. The collection of modern vertebrates is used for demonstration in work on classification, coloration, adaptation and distribution. This collection already contains several hundred birds and is expected soon to contain a complete representation of the local fauna.

The Geological Cabinet contains, besides the casts and fossils, extensive collections of minerals and ores. The Botanical Cabinet consists of an Herbarium of several thousand species, formerly the property of Rev. H. M. Denslow, mostly collected by Prof. Denslow in the North-Eastern States, but also enriched by specimens from the South and West, and from foreign countries. It serves admirably the purposes of demonstration, identification and work in systematic botany.

Mr. William Smith not long since presented to the Museum three hall cases containing valuable collections of birds, corals and shells. Mr. C. J. Hampton has given two birds of great interest in local ornithology, and many of the students have contributed specimens of the local fauna. Gifts to the Museum, especially to the collections of native vertebrates and structural demonstrations, will be welcome.

For the Ward casts and valuable additions to the Geological and Mineralogical Cabinet, including the upright cases, the College is indebted to the late Wm. B. Douglas, who added to these gifts a sum of money to be expended in the purchase of illustrative scientific works. The College is further indebted to the late Mrs. Julia Douglas Merritt for providing the wall cases for the Museum, and to the late James Simons of Geneva for valuable gifts and a bequest of money for cases.

GYMNASIUM

The Gymnasium is situated at the north of Blackwell House. It furnishes a clear floor space of over 1900 square feet, is 17 feet high to the under side of the trusses and 24 feet high to the roof. It contains an office for the Physical Director and a dressing room for the students. The walls and ceiling are painted white, thus giving good reflection, while a large number of windows, well distributed, give plenty of light and ventilation. The building is heated by steam, and lighted by electricity. The floor is of wood, giving a good surface for gymnastic games, class work or dancing. A thorough equipment of selected apparatus has been placed in the building. For the piano and pianola the students are indebted to Mrs. Charles D. Vail.

REGISTER OF STUDENTS, 1912-1913

SENIORS

MABEL ETTA FARNHAM, <i>Arts</i> ,	Miller House
Elbridge, N. Y.	
HELEN HAWTHORN, <i>Arts</i> ,	Miller House
Brooklyn, N. Y.	
FRANCES ADELAIDE MURPHY, <i>Arts</i> ,	44 Middle St.
Geneva.	
JUNIA AGUSTA OHART, <i>Arts</i> ,	Miller House
Depew, N. Y.	
LOUISE REYNOLDS PERRINE, <i>Arts</i> ,	Miller House
Manlius, N. Y.	
GRACE CONSTANCE ISEULT PITTIS, <i>Arts</i> ,	Miller House
Plainfield, N. J.	
ALIDA EMELINE RANDALL, <i>Scientific</i> ,	Miller House
Avoca, N. Y.	
HARRIET JANET SMITH, <i>Arts</i> ,	44 John St.
Geneva.	
TERESSA CANDEE STEVENS, <i>Arts</i> ,	Miller House
Norwich, Conn.	
HELEN ELIZABETH YOUNG, <i>Scientific</i> ,	47 N. Genesee St.
Geneva.	

JUNIORS

ANNIE LUCY BEVIER, <i>Arts</i> ,	220 High St.
Geneva.	
ELEANOR CASTERLINE, <i>Arts</i> ,	Miller House
Belmont, N. Y.	
ELLA MAUDE CONGER, <i>Arts</i> ,	Miller House
Buffalo, N. Y.	
MARY MARGARET DORAN, <i>Arts</i> ,	35 Genesee St.
Geneva.	

ANNA EGGLESTON, <i>Arts</i> ,	.	.	.	Miller House
Alden, N. Y.				
MARY EDITH GALE, <i>Scientific</i> ,	.	.	.	Miller House
Buffalo, N. Y.				
KATHERINE ELIZABETH GRACEY, <i>Arts</i> ,	.	.	.	71 Hamilton St.
Geneva.				
ELIZABETH HAWTHORN, <i>Arts</i> ,	.	.	.	Miller House
Brooklyn, N. Y.				
BLANCHE MARIE LAW, <i>Arts</i> ,	.	.	.	275 Pulteney St.
Geneva.				
EDNA LUCILLE MCGEE, <i>Scientific</i> ,	.	.	.	71 Main St.
Geneva.				
SUSANNA HARRIET MOORE, <i>Scientific</i> ,	.	.	.	108 North St.
Geneva.				
OLIVE EVA STRYKER, <i>Scientific</i> ,	.	.	.	Miller House
Phelps, N. Y.				

SOPHOMORES

ALICE MELVILLE BREEN, <i>Arts</i> ,	.	.	.	Blackwell House
Portland, Me.				
HELEN JANE BREWSTER, <i>Arts</i> ,	.	.	.	Miller House
Port Chester, N. Y.				
HARRIETTE MABEL BROWN, <i>Arts</i> ,	.	.	.	Miller House
Nunda, N. Y.				
ELIZA EMELINE CLARK, <i>Arts</i> ,	.	.	.	219 High St.
Geneva.				
GERTRUDE GILBERT GOODSPEED, <i>Scientific</i> ,	.	.	.	Blackwell House
Penn Yan, N. Y.				
EDITH GERTRUDE GRAVES, <i>Arts</i> ,	.	.	.	Waterloo
Waterloo, N. Y.				
NINA HAZEL HOLLENBECK, <i>Arts</i> ,	.	.	.	136 Washington St.
Geneva.				
MARIAN ADELAIDE HOLMES, <i>Scientific</i> ,	.	.	.	Miller House
Redwood, N. Y.				
MARGUERITE AMELIA IULG, <i>Arts</i> ,	.	.	.	Blackwell House
Buffalo, N. Y.				

CATHARINE HELEN JORDAN, <i>Arts</i> , Geneva.	8 Genesee St.
MARY GENEVIEVE MCCARTHY, <i>Arts</i> , Geneva.	502 S. Main St.
MARGARET CONSTANCE MCCHERY, <i>Arts</i> , Geneva.	59 Sherrill St.
FLORENCE FRANCES MCGUIRL, <i>Arts</i> , Geneva.	102 E. North St.
CHRISTINE QUIMBY, <i>Arts</i> , Geneva.	187 High St.
JENNIE JOSEPHINE SAGE, <i>Scientific</i> , Batavia, N. Y.	Miller House
MARGARET SHUTTLEWORTH, <i>Arts</i> , Buffalo, N. Y.	Blackwell House
MILDRED HIPOLITE WELKER, <i>Arts</i> , Buffalo, N. Y.	Blackwell House
MAY RUTH YERKES, <i>Arts</i> , Geneva.	58 Genesee St.

FRESHMEN

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MARY BONIVENTURE COUGHLIN, <i>Scientific</i> , Geneva.	161 Main St.
SARAH ANNE CUMMING, <i>Arts</i> , Geneva.	270 Washington St.
HELENE LILLIAN DAILY, <i>Scientific</i> , Castile, N. Y.	Miller House
ELLA MARIE DEVEREAUX, <i>Arts</i> , Clifton Springs, N. Y.	Clifton Springs
JULIA EVELYN DUNHAM, <i>Arts</i> , Buffalo, N. Y.	Miller House
ALBERTA MARIE EMRICH, <i>Scientific</i> , Brooklyn, N. Y.	Miller House
HAZEL BELVIA JOHNSTON, <i>Scientific</i> , Geneva.	196 Main St.

SUSANNA KINGSLEY, <i>Scientific</i> ,	Miller House Minden, Neb.
ANNIE ELIZABETH MARVIN, <i>Arts</i> ,	Blackwell House Buffalo, N. Y.
KATHERINE REGINA McNULTY, <i>Scientific</i> , . .	470 S. Main St. Canandaigua, N. Y.
VERA ELBERTINE NASMITH, <i>Arts</i> ,	35 Elmwood Place Geneva.
HELEN JANE PYBUS, <i>Scientific</i> ,	Miller House Gorham, N. Y.
EDITH MILLER SMITH, <i>Arts</i> ,	Blackwell House Buffalo, N. Y.
MARGARET ELIZA SMITH, <i>Arts</i> ,	160 Cherry St. Geneva.
REGINA JULIA SWEENEY, <i>Arts</i> ,	143 William St. Geneva.
ELIZABETH FLORENCE SWEET, <i>Arts</i> ,	Blackwell House Waterloo, N. Y.
RUTH WHEELER, <i>Scientific</i> ,	Canandaigua Penn Yan, N. Y.

DEGREES, 1912

DEGREES IN COURSE

A.B.

Magna cum laude: Honors in English and Biology,
GLADYS CAMPBELL MOYER, Buffalo, N. Y.

Magna cum laude: Honors in Latin, English and Biology,
RUTH ARNOTT YOUNG, Geneva.

Cum laude: Honors in English and German,
MARY EVANGELINE KEEFE, Dover, N. H.

Cum laude: Honors in English, German and Economics,
MARY COVELL LYON, Batavia, N. Y.

Honorable Mention in English and Latin,
HELEN WOODWORTH ADDISON, Seneca Falls, N. Y.

Honorable Mention in Biology,
JENNIE CUMMING, Geneva.

Honorable Mention in English and Biology,
FRANCES BELLE EDDY, Geneva.

Honorable Mention in Romance Languages,
EMILY WYBRANTS SMITH, Brooklyn, N. Y.

A.B.

FLORENCE MARIAN TAYLOR BYCE, Geneva.

FANNIE LOUISE LICHT, Geneva.

MARTHA SIMPSON NUGENT, Geneva.

CATHERINE SUSAN OAKS, Geneva.

FRANCES LUNETTE TURGEON, Lewiston, Me.

WILLIAM SMITH COLLEGE

B.S.

Honorable Mention in English,
ISABEL SLOANE LONG, Wayne, Penn.

Honorable Mention in Romance Languages,
ANNA MARIE SPORER, Owego, N. Y.

Honorable Mention in Economics,
LAURA LYONS TULETT, Waterloo, N. Y.

B.S.

REBECCA EVERETT ANTONIDES, Belmar, N. J.

FAITH EMILIE OLMSTEAD, Geneva.

DAISY MAE WEEKS, Marcellus, N. Y.

RHODA ERMINIE YERKES, Geneva.

A.M.

FANNIE LOUISE LICHT, A.B., Geneva.

HONORARY DEGREES

L.H.D.

EMILY JAMES PUTNAM, New York.

HONORS, 1912

PHI BETA KAPPA ELECTIONS

MARY EVANGELINE KEEFE, Dover, N. H.

MARY COVELL LYON, Batavia, N. Y.

GLADYS CAMPBELL MOYER, Buffalo, N. Y.

RUTH ARNOTT YOUNG, Geneva.

FRANCES ADELAIDE MURPHY, Geneva.

HONORS

MARY EVANGELINE KEEFE, Dover, N. H., English, German

MARY COVELL LYON, Batavia, N. Y., English, German, Economics

GLADYS CAMPBELL MOYER, Buffalo, N. Y., English, Biology

RUTH ARNOTT YOUNG, Geneva, Latin, English, Biology

HONORABLE MENTION

HELEN WOODWORTH ADDISON, Seneca Falls, N. Y., English, Latin

JENNY CUMMING, Geneva, Biology

FRANCES BELLE EDDY, Geneva, English, Biology

ISABEL SLOANE LONG, Wayne, Pa., English

EMILY WYBRANTS SMITH, Brooklyn, N. Y., Romance

ANNA MARIE SPORER, Owego, N. Y., Romance

LAURA LYONS TULETT, Waterloo, N. Y., Economics

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BACCALAUREATE SERMON

President GEORGE BLACK STEWART, D.D., LL.D.,

Auburn Theological Seminary, Auburn, N. Y.

COMMENCEMENT ADDRESS

Rev. ROB ROY MCGREGOR CONVERSE, D.D., LL.D.,

St. Luke's Church, Rochester, N. Y.

PHI BETA KAPPA

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Prof. J. H. MCDANIELS, LL.D.,	Prof. H. H. YEAMES, A.M.,
GLADYS CAMPBELL MOYER, A.B.,	RUTH ARNOTT YOUNG, A.B.,

Members elected in the year 1912

MARY EVANGELINE KEEFE, 1912, Dover, N. H.
MARY COVELL LYON, 1912, Batavia, N. Y.
GLADYS CAMPBELL MOYER, 1912, Buffalo, N. Y.
RUTH ARNOTT YOUNG, 1912, Geneva.
FRANCES ADELAIDE MURPHY, 1913, Geneva.

Phi Beta Kappa Orator, June 20, 1912

FREDERICK WINSLOW TAYLOR, M.E., D.Sc., LL.D.,
Philadelphia, N. Y.

"Scientific Management."